

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 07:16:04 1994
From: Fire Bottle archive handler <firebotl@jackatak.raider.net>
Subject: 160 Metre mobile whips
Date: Sun, 18 Sep 1994 21:45:58 -0500 (CDT)
Message-Id: <9409182146.aa04040@jackatak.raider.net>

Bob and Tom-

Thanks to you BOTH for some good thinking and inspiration for me and my mobiling efforts.

> > A base loaded whip has definite mechanical advantages
> The mechanical advantages have, over the long haul, proved
> to be more important to me personally than the ostensible electrical
> advantages that center or top loading offer.
I think the roll over point is probably at 160 meters. On 75, using Henry's excellent materials and construction, the mechanical aspects are quite OK... *IF* you take the damn antenna apart about once a week and make sure all the joints are clean and conducting RF. Road grime is a bad thing to transmit into! ;^)

> the only reason I use base loading.
Given the vehicle I drive (it's eleven years old and has lots of antennas mounted in various places, but I can NOT bring myself to destroy a perfectly good and operating sunroof for a base loaded antenna! I will no doubt monkey with some design involving a center load and a huge whip/capacity hat and see how that goes. It's pretty hard to work CW, log and drive all at once, so I will probably seek most of my DX while parked (where such a configuration works better anyway! ;^)

> So, one might reasonably ask, what caused me to fall away from the
> faith??? A friend of mine owns a couple of boatanchor Boonton Model
> 160 Q meters. We decided to *quantify* the difference in Q
Quantify? Seek the truth? Have you been reading too much r.r.a.misc and the great debate about SWR as a function of feedline length? ;^)

> The results were a shock. The crummy coil was poorer in Q than the
> ideal coil by only a fraction.

[...]

> Why might this be???

I think you have your thumb upon it. The losses at UHF/VHF are mitigated at HF (but most people focus their coil building etc at the upper end of the bands, because they are far easier to make contacts without hassles than are 40 or 75, let alone 160.

I, for one, am tired of the many emperical stories of how dummyloads attached to magnetic mounts work around the world mobile. I once

drilled a hole in a cheap screwdriver and loaded it up on 15 meters and worked a station in Poland with 5x9 reports. Good antenna? NOT VERY LIKELY... conditions made the contact... the basic theory and design of good antennas are superior at all frequencies, but conditions narrow the gap at the upper end.

Top shed the obligatory BoatAnchor light on this: consider the discovery by hams that 75 meters was far easier for DX than 200 meters! When they tried 20 meters, around the world became effortless! And so, they expected, would each successive doubling of frequency or halving of wavelength... Imagine the disappointment to find 28 Mc quiet after dark! Imagine the real depression that set in when 56 Mc did even poorer for DX! What was wrong?

The assumption set.

160 meters is very different in terms of how materials behave in the near field. As one of you gents, I believe it was Bob, pointed out, 160 is probably a better ground wave local comm band than 2 meters ever will be... And, living in the shadow of the mighty WSM double ice-cream cone antenna, as I do, I am used to the many comments from newbies who don't know that was PLANNED... and took advantage of the ground wave character of 450 meters.

> But at MF,
> it is more a theoretical problem than a practical one.
However, one must consider the range of frequency from 160 to 10 meters. Material behave very differently at different frequencies, and I suspect just as 10 GHz is blocked by raindrops and fog, so too, the PVC doesn't get involved as much at 1.8Mhz as at 180!

> within some practical limits, the differential in Q between perfect
> and merely ordinary coils is not as large as one might have thought.
Exactly. Good thinking and thanks for reminding me... ;^)

> >Barry, W9UCW, used to drive an old Plymouth
I couldn't afford the gas to commute with that, and a reasonable size antenna would be taken down by the overhanging tree limbs... still, a good idea for next time... ;^)

> What we need to do now is get Bob, NA4G, to come over with some
> of his field-strength meters and have a competition!
Those flourescent tubes? Way back the old timers would find a large open field and key down... touch off a tube and walk back until it went out. Not only a good measure of field strength, but a fairly practical and useable antenna range for pattern measurements. Too bad the riceboxes won't take key down for more than a nano or three! ;^)

> Once again, my hat is off to Mr. T for some most stimulating
> info.
My hat is off to you both. Thanks for the jump-start, lads... see ya
both on 160! I QSL 100% and need both CO and IL or WI for WAS...;^)
73,
Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

Fire Bottle Server (Boat Anchors Get Out and Keep You Warm!)
firebotl@jackatak.raider.net
Where Old Radios and Fun ... GO TOGETHER!
+-----human interface: root@jackatak.raider.net -----+

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 10:17:58 1994
Date: Mon, 19 Sep 1994 08:08:19 -0500 (CDT)
From: KANAMAA%AMGATE%MATRXA@randb.abbott.com
Subject: CFMC fest Grayslake IL
Message-Id: <01HHAFHWPMQD04CSY@RANDB.PPRD.Abbott.Com>

>From: Kana, Michael (D9CY)
Date: Mon, Sep 19, 1994 8:18 AM
Subject: CFMC fest Grayslake IL
To: boatanchors
Howdy All

Are any of the boatanchorites planning on going to the CFMC fest
in Grayslake, IL this upcoming weekend? If so, good time for an
eyeball qso.

73's de AA9IL
Mike Kana

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 22:54:44 1994
Date: Mon, 19 Sep 94 20:09:43 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9409200109.AA01131@chuck.dallas.sgi.com>
Subject: code tape

The call of the author of the code language tape
is w3cve. Someone have a 1958 to 1965 callbook?

dit dit

tu

SIG

Chuck Adams K5FO CP-60
adams@sgi.com

From owner-boatanchors@gnu.ai.mit.edu Tue Sep 20 00:23:07 1994
Date: Tue, 20 Sep 94 02:56:12 GMT
From: Harris Boldt Edelman <hbe@red-eft.la.ca.us>
Message-Id: <9409200256.AA06293@red-eft.la.ca.us>
Subject: Re: code tape

Would a current callsign record do?

Call-Sign: W3CVE Class: ADVANCED
Real Name: CONAN W B BARGER Birthday: SEP 13, 1907
Mailing Address: 6612 FOSTER ST, DISTRICT HEIGHTS, MD 20028
Valid From: JUN 15, 1984 To: JUN 15, 1994

{from Devon Bowen's callsign server.)

-H. KB6OWB

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 14:59:39 1994
Date: Mon, 19 Sep 94 11:16:35 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)
Message-Id: <9409191616.AA14043@chuck.dallas.sgi.com>
Subject: CW Tape

Gang,

Thanks for the tremendous response from individuals from one coast to the other.

On Sat I worked a sprint like contest for QRPers and one of the guys there had a Sony reel-to-reel and I picked it up last night (Sunday) and started and recorded the first hour of the more than 4 hours that the series is going to turn into. I'll let everyone know how it goes. The tapes are clear - in fact the meter level is pegged on the Sony for the code portion of the tape.

Here is what I have so far:

1. Two 1200' reels.
2. Name of course is "Code Sound Language"
3. Starts with intro in voice, then alpabet, then practice.

4. Tape was advertised in QST in late 60's, but I need someone who has all the issues of that era look for it.
5. Surely I'm not the only one in possession of the set of tapes at this time. Someone has to have these puppies stored in a closet somewhere.
6. I swear that the code is hand sent, but will get graphical proof in a day or two.
7. It is the Farnsworth method, i.e. letters sent a higher speed with larger spacing.
8. The ratio of the dah:dit sounds like 4:1 instead of the normal 3:1.
9. The tapes are over 25 years old, but still in good shape. I can hear the start/stop sequences he (name is still unknown to me) used and the slight AC hum of the audio oscillator used. Boatanchor for sure. :-)
10. Tapes go to 55 wpm. You have to sit down with pencil at first and then progress to typewriter. Steps and practice sessions to do this are somewhere in the tape, 'cuz I remember those from 20 years ago when I first heard the tapes. I didn't get to use them then, as I was already doing it.

Of course, it goes without saying that I'm excited about this little project. I'd like to find a died-in-the-wool no-coder in Dallas and turn him/her into a CW bigot. :-) Any volunteers. Requires public announcement to this group and promise to spend 30mins a day for two months before giving up, if you can give up after investing that much time. Some lawyer could probably have fun with that 'contract'. :-) :-)

Thanks for listening gang. Back in a flash.

I know it's not a tube project, but it is old ham history. I'll have the whole course in ASCII by the end of the week, but doubt that i'll let it go until all the issues are worked out.

dit dit

SIG

Chuck Adams K5FO CP-60

adams@sgi.com

From ab4el@Cybernetics.NET Mon Sep 19 18:34:38 1994

From: ab4el@Cybernetics.NET (Stephen Modena)

Message-Id: <9409192207.AA18527@Cybernetics.NET>

Subject: Re: CW Tape...and records!

Date: Mon, 19 Sep 1994 18:07:57 -0400 (EDT)

Chuck < adams@chuck.dallas.sgi.com > said
in <9409191616.AA14043@chuck.dallas.sgi.com>:
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> Here is what I have so far:
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> 1. Two 1200' reels.
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> 3. Starts with intro in voice, then alpabet, then practice.
>...
> 5. Surely I'm not the only one in possession of the set of tapes
> at this time. Someone has to have these puppies stored in a
> closet somewhere.
>...
> 7. It is the Farnsworth method, i.e. letters sent a higher speed
> with larger spacing.

Just the other day I visited with Allan AB40Z and his xyl Lynn K04QH...
and they pull out their latest "antique" goodie: a record album for
learning Morse Code...consisting of three vinyl platters by, who else?...
Farnsworth! :^) I was out of the hobby when they were sold (I forget
the copyright date)...I never had connected the "method" with a
commercial product.

"Boatanchors" can be educational...and in a sense the records are
boatanchors because they don't have a player for them. ;^)

73/Steve/AB4EL

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 09:11:01 1994
Subject: Fw: Re: October '94 Hamfests
Message-Id: <199409170028.RAA03563@olympus.net>
Date: Fri, 16 Sep 1994 17:29:14 -0800
From: philkeys@olympus.net (Phil Keys)
Subject: Re: October '94 Hamfests

(forwarding comment)

One more...

73,
Larry KQ4BY

(original message follows)

You can add:

October 1 North Kitsap Amateur Radio Club Hamfest
 Kitsap County Fairgrounds
 Fairgrounds Road at Nels Nelson
 Bremerton, Washington

--

philkeys@pt.olympus.net (Phil Keys) KB7WXQ
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA 98339 (206) 379-8650
West of Puget Sound...South of British Columbia.. 122 44.0W 48 02.0N

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From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 22:52:46 1994
From: TOM.A.ADAMS@mail.admin.wisc.edu
Subject: Grayslake Hamfest
Date: Mon, 19 Sep 94 20:24 CDT
Message-Id: <E9JK2421.E9JK2433@mail.admin.wisc.edu>

to: boatanchors@gnu.ai.mit.edu

Hello Mike, AA9IL

Yeah, I'll be at Radio Expo! I only hit about 3 or 4 hamfests a year, but THIS one I never miss!

I'll be there both days; don't know if I'm selling or not.

Look for the K9TA "WAR WAGON" (a silver Dodge Ram Charger 4X4), probably with an old, potbellied Irish Setter tied to the rear bumper. The Chief Op can be recognized by a dirty silverbelly Stetson Rancher hat, a pair of black boots (either cowboy or combat; I haven't decided yet), and probably a decidedly off color (if not downright obscene) teeshirt.

The cooler will be well filled with beer for any and all BOATANCHORS participants who drop by.

73's,

Mr. T., K9TA

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 15:31:55 1994
Date: Mon, 19 Sep 1994 13:02:36 -0400
From: Nick England <nick@cs.unc.edu>
Message-Id: <199409191702.NAA00754@altair.cs.unc.edu>
Subject: Hammarlund/Heath/Hallicrafters cabinets wanted

I need original cases for the following vintage rigs:
Hallicrafters SX-62 or SX-62A
Hammarlund HQ-170A or HQ-180A (prefer A version with lid)
Heath DX-100B (B version, like an Apache cabinet but grey?)
Heath TX-1 Apache

Condition not terribly important as long as it isn't bent too bad.

Sell me your junkers ! Will buy insides too if necessary (and cheap).
thanks
Nick England KD4CPL
Chapel Hill NC
nick@cs.unc.edu

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 23:45:46 1994
Date: Mon, 19 Sep 94 15:17:29 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9409200117.AA12832@kahuna.math.hawaii.edu>
Subject: ITU/IARU Code Requirement: Part 1.

Gang,
I hate to be the bearer of bad news but the ITU has set up
a time table for the complete replacement of knowledge of
code for shipboard radio officers. I will give you the
report in small chunks. Here first is a report about the
IARU Morse Committee.

Jeff NH6IL

*****Begin Included Article*****

The following is an exact excerpt from
Morsum Magnificat, Number 34, June 1994, page 2. This magazine is
edited by Geoff Arnold G3GSR in England.

IARU Morse Committee

As reported in our last issue, the International Amateur Radio Union
has set up a Morse code ad hoc Committee. In response to a request for
further information about this Committee, the following statement has been
sent to Morsum Magnificat by Richard L. Baldwin W1RU, President of the
IARU.

IARU COMMITTEE TO STUDY THE MANDATORY REQUIREMENT FOR COMPETENCY
IN MORSE OPERATING.

'In Article 32 of the Radio Regulations of the International
Telecommunication Union appears Regulation 2735 which has a mandatory
requirement for competency in Morse code operating to be shown before a
radio amateur is permitted to operate on the HF bands - the "DX" bands
below 30MHz.

'There are some groups of radio amateurs who from time to time query
the necessity for this mandatory Morse code requirement. On the other
hand, many radio amateurs - indeed possibly complete societies and even
whole regions - continue to support the continuance of this provision.

'As part of an ongoing review of the Amateur Service, the
Administrative Council of the International Amateur Radio Union
(IARU AC) has established a "CW Ad-Hoc Committee" to produce a report
for consideration by the IARU AC at its meeting in Singapore in

September 1994.

'The Committee comprises: Fred Johnson, ZL2AMJ, a Director of IARU Region 3 as Chairman; Dr John Allaway, G3FKM, Secretary IARU Region 1; and David Sumner, K1ZZ, from the IARU International Secretariat and the American Radio Relay League, as members. The Committee is thus drawn from the three IARU Regions.

'It is expected that after consideration by the IARU AC, the Report of the Committee may be made available to the IARU Regional organisations for further study and comment.'

*****End of Part 1*****

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 09:46:50 1994

From: WaltN@aol.com

Message-Id: <9409190854.tn138479@aol.com>

Date: Mon, 19 Sep 94 08:54:56 EDT

Subject: Manuals needed

I am looking for manuals for the following test equipment:

Sprague Tel-Ohmike Model TO-6A Capacitor Analyzer

Hickok Model 209A VTVM (large meter type)

Jewell Radio Set Analyzer Pattern 444 (1920s vintage)

I also need manuals for two military antenna couplers:

CU-168/FRR (5-set, hollowstate)

CU-1388/FLR-9(V) (8-set, solidstate)

Happy to buy, borrow to copy, or pay for copying. Please reply by phone or email.

Thanks!

Walt Novinger

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 09:11:01 1994

Subject: Fw: Re: October '94 Hamfests

Message-Id: <199409170028.RAA03563@olympus.net>

Date: Fri, 16 Sep 1994 17:29:14 -0800

From: philkeys@olympus.net (Phil Keys)

Subject: Re: October '94 Hamfests

(forwarding comment)

One more...

73,
Larry KQ4BY

(original message follows)

You can add:

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From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 23:51:22 1994
Date: Mon, 19 Sep 94 15:27:43 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9409200127.AA12896@kahuna.math.hawaii.edu>
Subject: Part 2: GMDSS To Replace Morse

Part 2: GMDSS To Replace Morse Code At Sea

WASHINGTON READOUT

REGULATORY NEWS IN THE WORLD OF AMATEUR RADIO

BY FREDERICK O. MAIA, W5YI

GMDSS To Replace Morse Code At Sea

The Global Maritime Distress and Safety System, known primarily by the acronym GMDSS, represents the biggest improvement in marine safety since the first maritime regulations were enacted following the sinking of the Titanic in 1912. It is an automated ship-to-shore distress alerting system that relies on satellite and advanced land-based communications.

By incorporating these innovative techniques into the safety system and using ship-to-shore communications links, the GMDSS will significantly improve safety of life and property at sea throughout the world.

The current distress and safety plan at

National Volunteer Examiner Coordinator, P. O. Box 565 101, Dallas, TX 753565101 (817-461-6443)

sea is primarily a manual, ship-to-ship system that relies on Morse code radiotelegraphy on 500 kHz and voice telephony on 2182 kHz and 156.8 MHz (VHF Channel 16). Its effectiveness depends on the location of the nearest vessel, the current radio-wave propagation conditions, and the technical proficiency of the radio officer.

Under the GMDSS, licensed radio operators on board GMDSS-equipped ships will use modern equipment to send distress alerts over long distances with assurance that they will be received on shore.

The GMDSS represents more than a decade of work by the London-based

International Maritime Organization (the IMO) and the International Telecommunication Union (ITU) headquartered in Geneva. Both the IMO and ITU are specialized agencies of the United Nations,

The IMO is the international governing body for the maritime service. Among its duties is the specification of equipment to be carried aboard certain classes of ships. The IMO is made up of representatives from 66 nations that account for more than 97 percent of the world's ocean shipping.

Nearly 200 nations strong, the ITU meets regularly to agree on radio operating procedures and on the allocation of radio frequencies. At the 1987 World Administrative Radio Conference for Mobile Services (MOB-87), the ITU adopted GMDSS associated revisions to the Radio Regulations. A year later world shipping leaders gave the go-ahead for the introduction of

Sea Area A1: is the area within VHF radiotelephone coverage of at least one coast station at which continuous DSC (digital selective calling) is available (approximately 20-30 miles).

Sea Area A2: is the area within MF radiotelephone coverage of at least one coast station at which continuous DSC is available (approximately 75 to 150 miles), excluding Sea Area A1.

Sea Area A3: is the area within the coverage of an INMARSAT geostationary satellite in which continuous alerting is available (approximately 70° North to 70° South), excluding Sea Areas A1 and A2.

Sea Area A4: is the remainder of the seas of the world (essentially the polar regions) and relies primarily on HF communications.

Table /- Ocean communication areas.

new automatic communications that would mean the end of Morse code for ships at sea. The IMO amended the 1974 SOLAS (Safety of Life at Sea) Convention to implement the Global Maritime Distress and Safety System internationally. They called it the decision " . . . one of the biggest advances in maritime communications since the introduction of radio."

In -an October 1990 proceeding the Federal Communications Commission said they would adopt the international GMDSS provisions for U.S ' "compulsory" vessels. A compulsory ship is defined as a large cargo ship of 300 tons gross tonnage and over, and all passenger vessels that carry more than 12 passengers regardless of the ship's size. Compulsory ships are required by law to carry certain radio equipment and personnel for safety purposes.

The FCC telecommunications regulations are contained in Title 47 of the Communications Act. Part 13 of Title 47 covers commercial radio operator qualifications, licenses, and examinations.

*****End Part 2*****

I'll wait until tomorrow to send parts 3 and 4.

Jeff NH6IL

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 03:49:50 1994
Date: Sun, 18 Sep 94 21:05:29 HST
From: jeffrey@math.hawaii.edu (Jeffrey Herman)
Message-Id: <9409190705.AA08726@kahuna.math.hawaii.edu>
Subject: rowboat anchors

Here's a couple rowboat anchors yanked from r.r.swap // Jeff NH6IL

Newsgroups: rec.radio.swap
>From: dave.baumwald@woodybbs.com (Dave Baumwald)
Date: Sat, 17 Sep 94 05:44:00 -0500

Following equipment for sale.

Heathkit DX-40 transmitter 10-80 meters, with VF-1 VF0, nice oldie!
(even has 11m, so you know it's old!).

Heathkit HW-32a transceiver, 20 meter, SSB, with HP-20 ac power supply,
great sounding radio, both on TX. and RX., clean.

Best offers for above equipment. Call Dave (516) 821-6590 eve.

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 17:47:58 1994
Date: Mon, 19 Sep 1994 11:35:43 -0700 (PDT)
From: M G Laubach <matt@efn.org>
Subject: Re: The Drake List, Ver 4
Message-Id: <Pine.SUN.3.90.940919113247.3095D-1000000@efn.org>

Add these to the Drake list

B-1000 Balun

Accessories to tr7

DR-7
RV-7
AUX-7
NB7
FA-7

From owner-boatanchors@gnu.ai.mit.edu Tue Sep 20 01:18:58 1994
Date: Mon, 19 Sep 94 21:49:00 -0500
From: adams@chuck.dallas.sgi.com (chuck adams)

Message-Id: <9409200249.AA01255@chuck.dallas.sgi.com>
Subject: W3CVE

Well I'll be darned. Did a lookup in the QRZ CDrom data base and W3CVE, Conan W B. Barger is still alive. Born Sept 13, 1907. I'll give him a call next week when I'm in the DC area. Actually Silver Spring MD.

At least he may still be alive, but database shows last FCC activity in June of '84.

I've got someone in CA looking at the QSTs, but someone may have already found the info before he gets up. :-)

Thanks guys for the help.

dit dit
SIG
Chuck Adams K5FO CP-60
adams@sgi.com

From owner-boatanchors@gnu.ai.mit.edu Mon Sep 19 12:00:01 1994
From: "Kearman, Jim, KR1S" <jkearman@arrl.org>
Subject: Want to Unsubscribe?
Date: Mon, 19 Sep 94 10:31:00 EDT
Message-Id: <2E7DA1E9@arrl.org>

IF YOU UNSUBSCRIBED ON SEPT 12 OR 13, PLEASE UNSUBSCRIBE AGAIN, AS I ACCIDENTALLY DELETED THE LIST.

I finally heard from Paul Prescott, who is alive and well. There is a possibility he may be able to do limited maintenance on this mailing list soon.

Here's the deal: If you want to unsubscribe, send me email with a text that says

UNSUBSCRIBE BOATANCHORS [email.address]

If you don't include your email address in the message, I won't be able to determine it and you won't get unsubscribed.

Put nothing else in the text. I'll save these messages and forward them to Paul. If you unsubscribe, you're history until Paul can resume daily maintenance of the list again (see below).

It will not be possible for Paul to add new subscribers at this time.

Paul hopes to return to Texas in late October, at which time he'll be maintaining the list as before. He apologized for the departure of the guy who said he'd keep an eye on it in his absence.

Paul liked the idea of a temporary "list of the list" to accommodate those who wish to join. That should hold us until his return.

I don't know exactly when the unsubscribing will commence; that's up to Paul, but figure sometime in the next week or two. I'll post this message for a couple of days, and turn over the list of those who want out to Paul later in the week.

Sorry, I can't answer any further questions, etc.

73

Jim Kearman, KR1S
jkearman@arrl.org